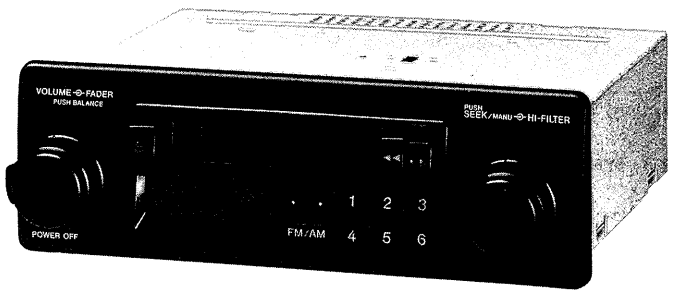
XR-2100

SERVICE MANUAL

US Model
Canadian Model



Model Name Using Similar Mechanism	EXR-10/XR-2300
Tape Transport Mechanism Type	MG-36SHJ-32

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

4 watts per channel minimum continuous average power into 4 ohms, both channels driven, from 150 to 20,000Hz with no more than 1.5% total harmonic distortion.

Other Specifications

Tuner section

FM

Tuning range	87.5—107.9MHz
Antenna terminal	External antenna connector/ Power antenna relay control lead
Usable sensitivity	13 dBf (75 ohms)
Selectivity	more than 70 dB at 400kHz
Signal-to-noise ratio	64 dB (stereo), 67dB (monaural)
Harmonic distortion at 1 kHz	0.9% (stereo), 0.6% (monaural)
Separation	30 dB at 1 kHz
Frequency response	30—15,000Hz
Capture ratio	3 dB

AM

Tuning range	530—1,710kHz
Antenna terminal	External antenna connector/ Power antenna relay control lead
Sensitivity	30μV

Cassette player section

Tape track	4-track 2-channel stereo
Frequency response	30—15,000Hz
Signal-to-noise ratio	55dB with TYPE I cassettes
Wow and flutter	0.15%

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4—8ohms
Maximum power output	7.5W×2 (at 4 ohms) 4W×4 (at 4 ohms)

General

High-cut filter	−10 dB at 10kHz
Bass boost	+8 dB at 100Hz
Power requirements	12V DC car battery (negative ground)
Mounting dimensions	Approx. 178×50×134mm (w/h/d) ($7^1/_8$×2×$5^3/_8$in.)
Mass	Approx. 1.2kg (2 lb. 10 oz.)
Accessories supplied	Mounting hardware (1 set) Power connecting cord (1)

Design and specifications subject to change without notice.

使用時は添付資料も参照のこと
Refer to the additional documents.

FM/AM CASSETTE CAR STEREO

SONY®

FEATURES

General

- Fader control for playback with a 4-speaker system.
- Built-in power amplifier (max. output: 4W×4ch, 7.5W×2ch) enables you to enjoy a 4-speaker system.
- Provided with a digital 12-hour clock.

Tuner section

- **SSIR (Sony Super Interference Rejection) PLL synthesizer tuner**
- The quartz-locked digital synthesizer system enables easy and accurate tuning.
- Up to 18 stations can be preset, 12 stations on FM, 6 stations on AM.

Cassette player section

The auto-reverse function changes the tape direction automatically.

NOTES ON CHIP COMPONENT REPLACEMENT

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

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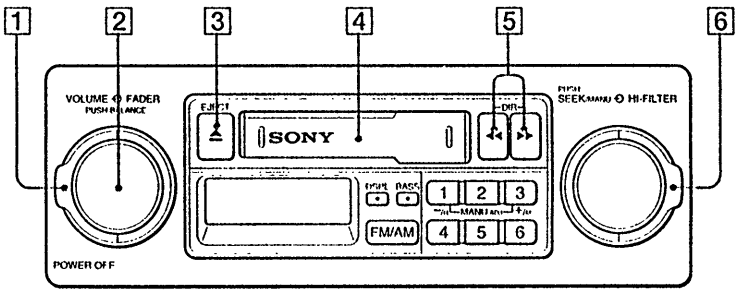
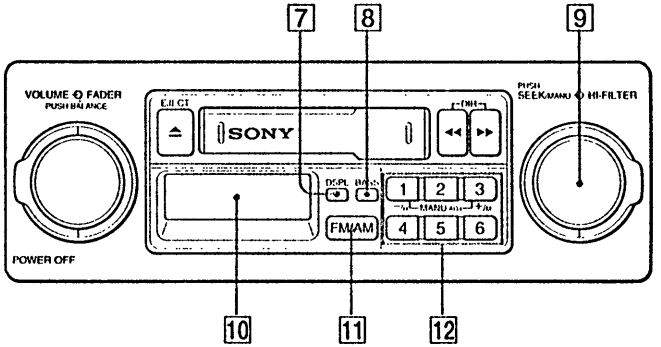
Location and Function of Controls





1 FADER control
Turn clockwise to decrease the volume of the rear speakers or counterclockwise to decrease the volume of the front speakers.

2 POWER OFF (power on/off) switch/VOLUME/PUSH BALANCE control

POWER OFF switch	Turn clockwise to turn on the unit and counterclockwise to turn off.
VOLUME control	Turn clockwise to increase volume and counterclockwise to decrease.
PUSH BALANCE control	Turn while pressing to adjust the balance of the left and right speakers.

3 EJECT button
Press to stop the tape and take out the cassette.

4 Cassette insertion door

5 ◄◄/►► (fast winding)/DIR (tape transport direction change) buttons

To listen to the other side of the cassette	Press ◄◄ and ►► simultaneously.

To wind the tape rapidly		
Direction indicator	To advance	To rewind
►	Press ►►.	Press ◄◄.
◄	Press ◄◄.	Press ►►.

To resume playback, press ◄◄ or ►► (that one which is not depressed) lightly.

6 HI-FILTER (high-cut filter)
Turn counterclockwise to reduce the high frequency and produce a easy sound.

7 DSPL (display change) button
Each time you press the button, the display modes change as follows:
Frequency ⟷ Clock

8 BASS (bass boost) button
Press to reinforce bass especially when listening at low volume.
To disengage the button, press it again.

9 PUSH SEEK/MANU button

PUSH SEEK button	Press for automatic tuning.
PUSH MANU button	Press the button for more than two seconds to enter the manual tuning mode, then adjust the frequencies using the preset number button 1 (−/M) or 3 (+/M).

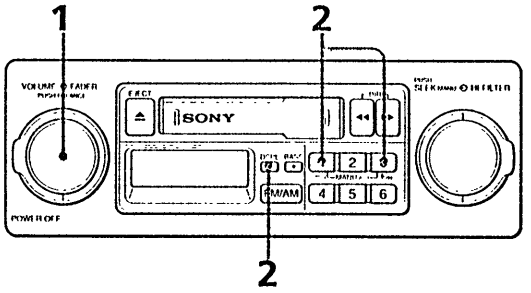
10 Display window

11 FM/AM (band select) button
Each time you press the button, the band changes as follows:
→ FM1 → FM2 → AM →

12 Preset number buttons ❾❿
Use the 1 (−/M) and 3 (+/M) buttons also for manual tuning and clock setting.

This section is extracted from instruction manual.

Setting the Clock



The clock has a 12-hour digital indication.

For example, to set it to 10:08.

1 Turn clockwise to turn the power on.

2 Press the DSPL button and hold it down.
The indication starts to blink after two seconds.

DSPL

With the DSPL button hold down, proceed with the following:

Press the [1] button to set the hour digits.

Press the [3] button to set the minute digits.

3 The clock starts activating when you take your finger off the DSPL button.

When you set minute digits "00" comes after "59". Setting the hour digits will not affect the minute digits.
When setting the minute digits, the second digits will change to "00".

Installation Installation

Precautions

- Choose the installation location carefully so that the unit will not hamper the driver during driving.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where it would be subject to dust, dirt or excessive vibration.
- Use only the supplied mounting hardware for a safe and secure installation.

Précautions

- Choisir soigneusement l'emplacement de l'installation, pour que l'appareil ne gêne pas la conduite.
- Eviter d'installer l'appareil dans un endroit exposé à des températures élevées, comme en plein soleil ou à proximité d'une bouche d'air chaud, ou à de la poussière, saleté ou vibrations violentes.
- Pour garantir un montage sûr, n'utiliser que le matériel fourni.

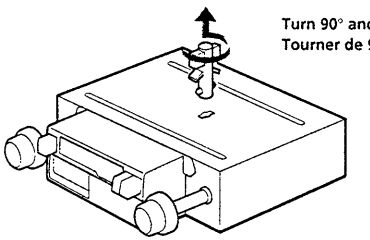
Mounting Example

Installation in the dashboard

Exemple de montage

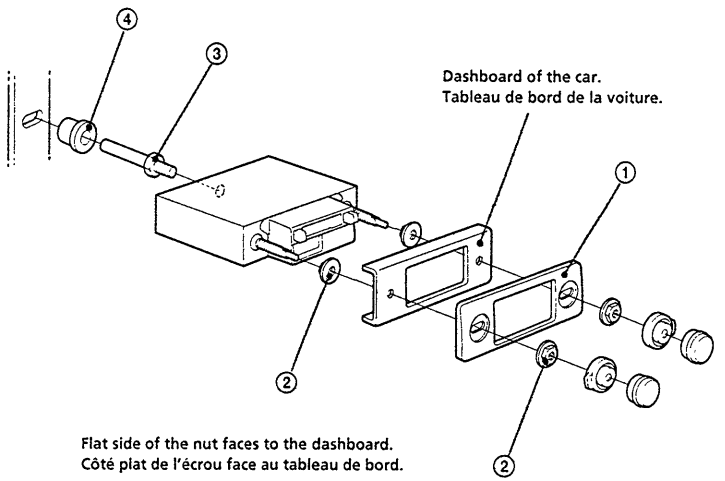
Installation dans le tableau de bord

1



Turn 90° and then pull it out.
Tourner de 90° puis tirer.

2



Flat side of the nut faces to the dashboard.
Côté plat de l'écrou face au tableau de bord.

Connections

Precautions

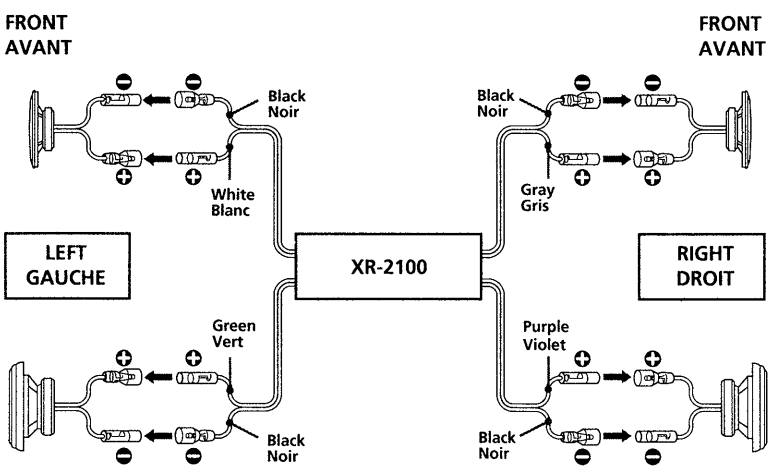
- This unit is designed for negative ground 12 V DC operation only.
- Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the yellow and red power input leads only after all other leads have been connected.
- Be sure to connect the red power input lead to the positive 12 V power terminal which is energized when the ignition key is in the accessory position.
- **Run all ground wires to a common ground point.**

Speaker Connections

Notes on speaker connection

- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.
- Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.
- Do not connect the speakers in parallel.
- Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Therefore, be sure to connect passive speakers to these terminals.

4-speaker connection
Connexion de 4 haut-parleurs



Connexions

Précautions

- Cet appareil est conçu pour fonctionner uniquement sur courant continu de 12 V.
- Avant d'effectuer les connexions, débrancher la borne de terre de la batterie de voiture pour éviter un court-circuit.
- Branchez les fils d'entrée d'alimentation jaune et rouge seulement après avoir terminé tous les autres branchements.
- Veillez à ne pas raccorder le fil rouge d'entrée d'alimentation à la borne positive de 12 V qui est alimentée quand la clé de contact est sur la position accessoire.
- **Raccorder les fils de terre à un point de masse commun.**

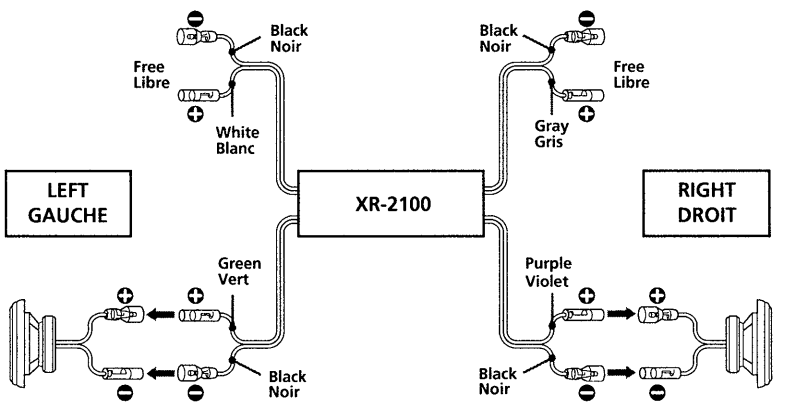
Connexion des haut-parleurs

Remarques sur la connexion des haut-parleurs

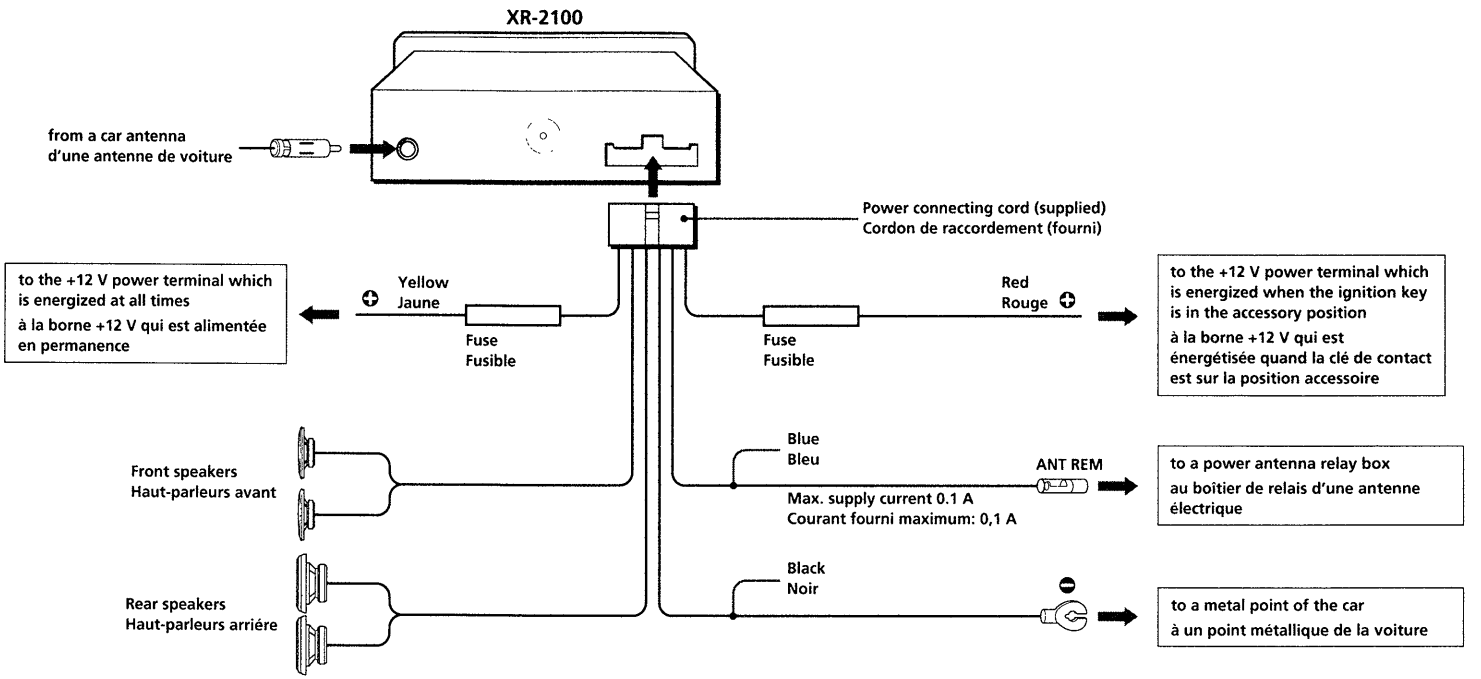
- Utiliser des haut-parleurs avec une impédance de 4 à 8 ohms et qui peuvent supporter l'alimentation fournie sinon ils risqueraient d'être endommagés.
- Ne pas connecter, les bornes du système de haut-parleur au châssis de la voiture et ne pas raccorder les bornes du haut-parleur droit aux bornes du haut-parleur gauche.
- Ne pas essayer de connecter les haut-parleurs en parallèle.
- Ne pas connector d'enceintes acoustiques actives (avec amplificateurs intégrés) aux bornes: d'enceinte de cet appareil, pour éviter d'endommager les enceintes. Veiller à raccorder des enceintes passives.

2-speaker connection
Use a pair of rear (REAR LEFT and REAR RIGHT) speaker cords, and leave the other pair free.
Note
Make sure of setting the fader control to the center position.

Connexion de 2 haut-parleurs
Utiliser la paire de cordons des haut-parleurs arrière (ARRIERE GAUCHE et ARRIERE DROIT), et laisser de côté l'autre paire.
Remarque
Ne pas oublier de mettre le fader sur la position centrale.



Connection Example/Connexion de l'exemple


XR-2100
from a car antenna
d'une antenne de voiture
Power connecting cord (supplied)
Cordon de raccordement (fourni)
to the +12 V power terminal which is energized at all times
à la borne +12 V qui est alimentée en permanence
Yellow
Jaune
Fuse
Fusible
Red
Rouge
Fuse
Fusible
to the +12 V power terminal which is energized when the ignition key is in the accessory position
à la borne +12 V qui est énergétisée quand la clé de contact est sur la position accessoire
Front speakers
Haut-parleurs avant
Blue
Bleu
ANT REM
Max. supply current 0.1 A
Courant fourni maximum: 0,1 A
to a power antenna relay box
au boîtier de relais d'une antenne électrique
Rear speakers
Haut-parleurs arriére
Black
Noir
to a metal point of the car
à un point métallique de la voiture

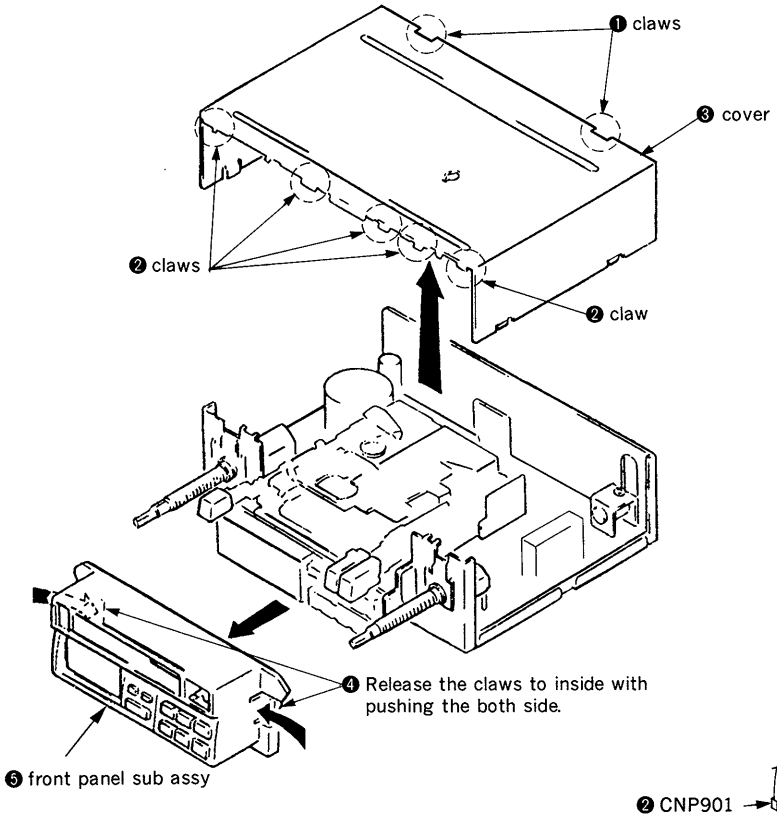
Note on the control leads
A power antenna without relay box cannot be used with this unit.

Remarque sur les fils de contrôle
Vous ne pouvez pas utiliser d'antenne électrique sans boîtier de relais.

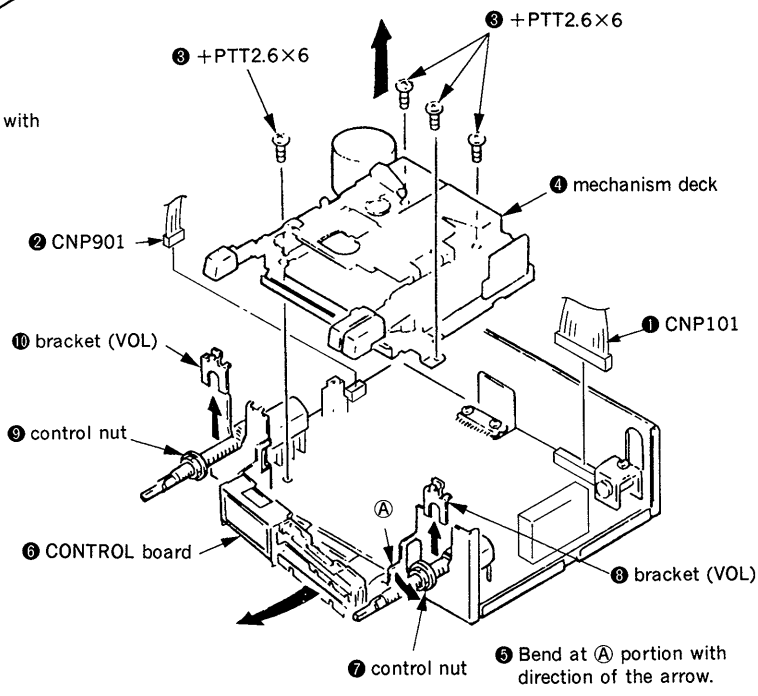
SECTION 2
DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

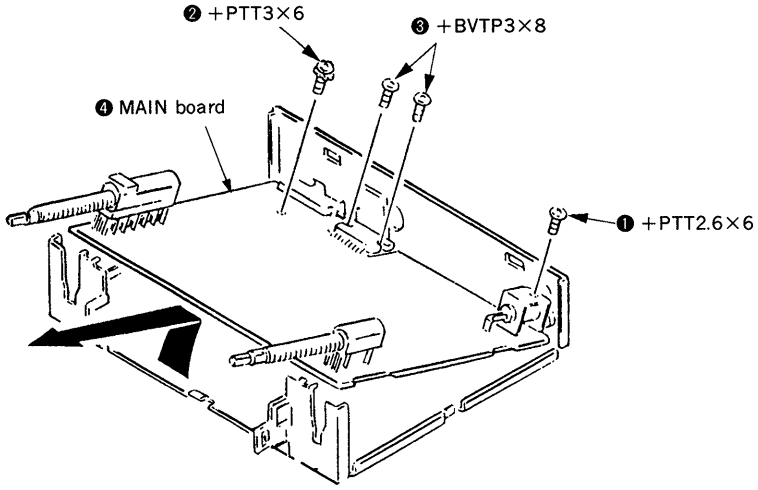
2-1. FRONT PANEL SUB ASSY



2-2. MECHANISM DECK/CONTROL BOARD



2-3. MAIN BOARD



SECTION 3
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Wipe the following components with an absorbent cotton cloth moistened with alcohol before aejustment :
   PB head　　Pinch roller
   Idler　　Rubber belt
   Capstan
2. Demagnetize the PB head using a head demagnetizer.
3. Be careful not to use a magnetized screwdriver.
4. After the adjustment is completed, lock the adjustment parts using screws.
5. Unless otherwise specified, make adjustments at the specified voltage (14.4V).

Torque Measurement

Mode	Torque Meter	Meter Reading
FWD	CQ-102C	40—75g•cm (0.56—1.04oz•inch)
FWD Back Tension		1—5g•cm (0.01—0.06oz•inch)
REV	CQ-102RC	40—75g•cm (0.56—1.04oz•inch)
REV Back Tension		1—5g•cm (0.01—0.06oz•inch)
FF, REW	CQ-201B	45—150g•cm (0.63—2.08oz•inch)

SECTION 4
ELECTRICAL ADJUSTMENTS

DECK SECTION | **0dB=0.775V**

1. The adjustments should be performed in the order given in this service manual.
2. The adjustments should be performed for both L-CH and R-CH.

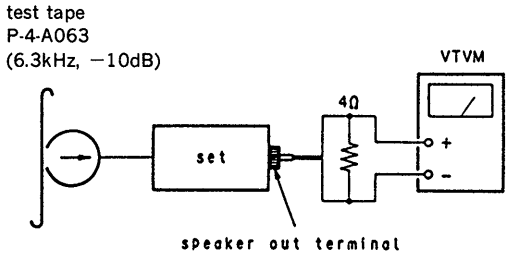
Test Tape

Type	Signal	Used for
P-4-A063	6.3kHz, −10dB	head azimuth adjustment
WS-48A	3kHz, 0dB	tape speed adjustment

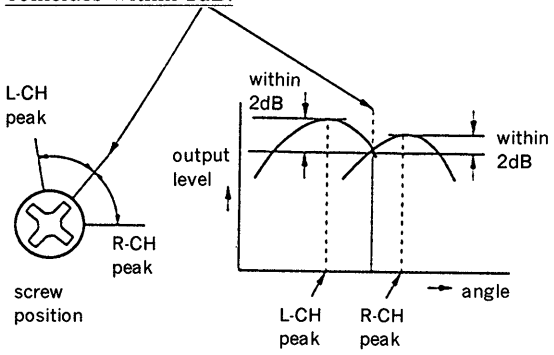
PB Head Azimuth Adjustment

Procedure :

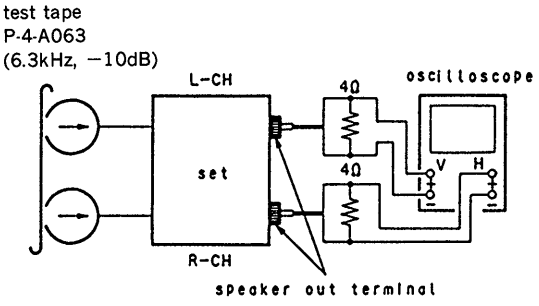
1. Mode : FWD playback

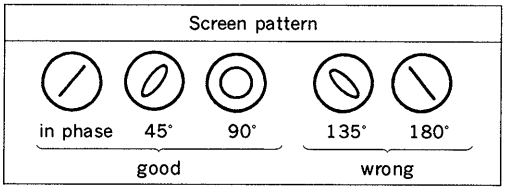


2. Turn the screw and check the output peak value. Adjust the screw so that the peak value in channels L and R coincides within 2dB.



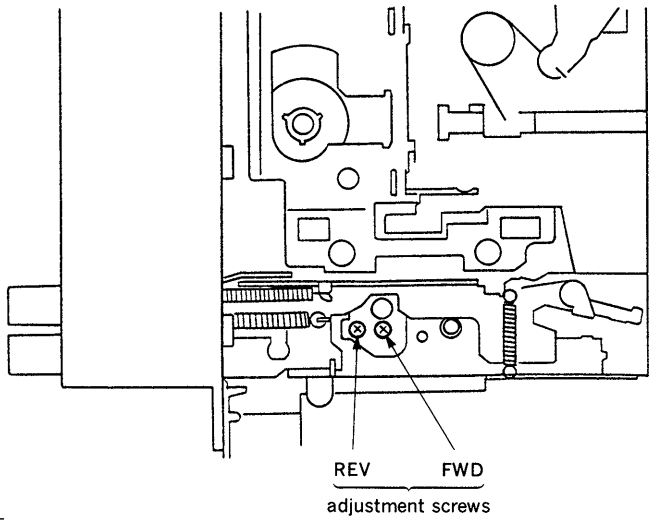
3. Check the phase in the PB mode.





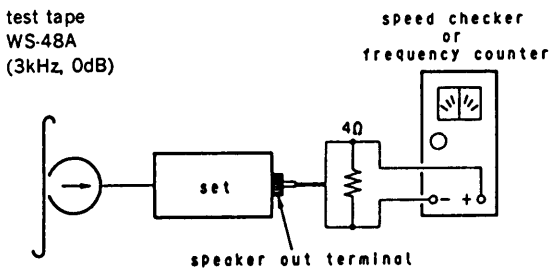
4. Repeat the above adjustment for the REV PB mode.

Adjustment Location :



Tape Speed Adjustment

Setting :



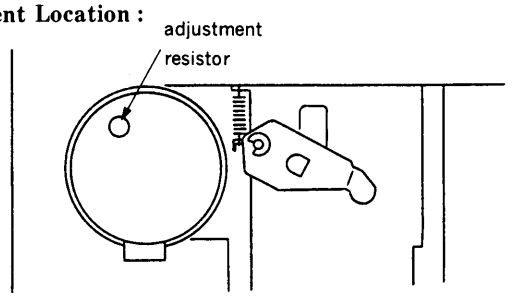
Procedure :

1. Put the set into the FWD PB mode.
2. Adjust adjustment resistor for inside capstan motor so that the reading on the speed checker or frequency counter becomes in specification.

Specification : Constant speed

Speed checker	Frequency counter
−1.5 to +2.5%	2,955 to 3,075Hz

Adjustment Location :



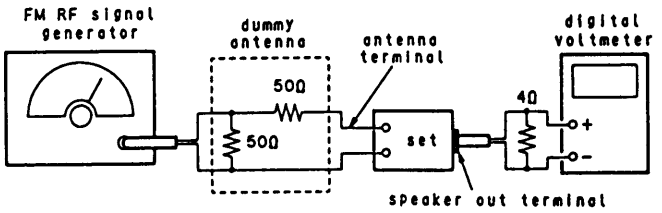
TUNER SECTION **0dB=1μV**

Cautions during repair
When the front end is defective, replace it by a new one because its internal block is difficult to repair.

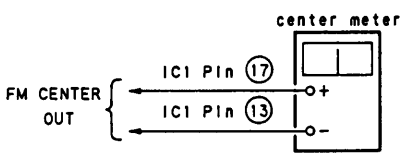
FM Center Adjustment

Setting :

FM/AM button : FM

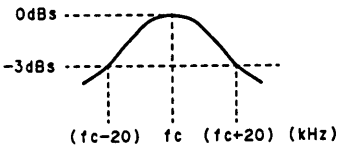


Carrier frequency : 98.1MHz
Output level : 60dB (1mV)
Mode : mono
Modulation : 1kHz, 75kHz deviation (100%)



Procedure :

1. Adjust T4 so that the reading on the center meter becomes in 0±20mV.
2. Output an Fcenter 60dB signal output from FM rf signal generator so that the speaker output terminal is 0dBs.
3. Change the FM rf signal generator frequency and check the deviation of the frequency on + side and − side when the speaker output terminal drops 3dB. (Both +side and −side is approx. 130kHz.)
4. Re-adjust T4 when the difference deviation of the frequency does more than 20kHz.

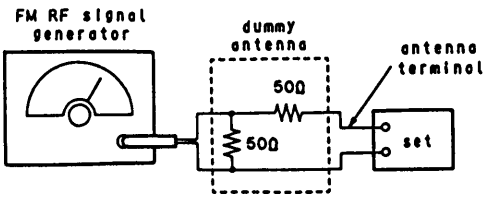


Adjustment Location : main board

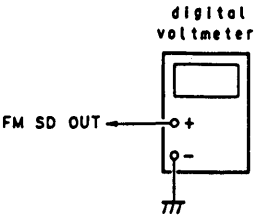
FM Auto Scan/Stop Level Adjustment

Setting :

FM/AM button : FM



Carrier frequency : 98.1MHz
Output level : 25dB (17.8μV)
Mode : mono
Modulation : no modulation



Procedure :

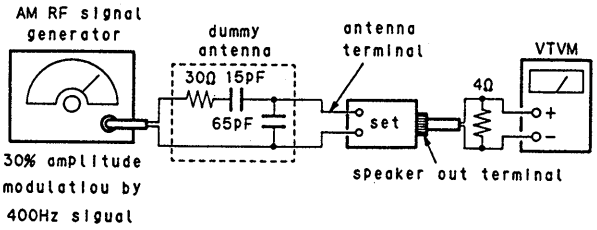
1. Adjust RV52 so that the reading on the digital voltmeter changes point from minimum to maximum. (approx. 0.6V)
2. Confirm that the set stops auto-scanning with FM rf signal generator output level set at 25±2dB.

Adjustment Location : main board

AM IF, Tracking Adjustments

Setting :

FM/AM button : AM

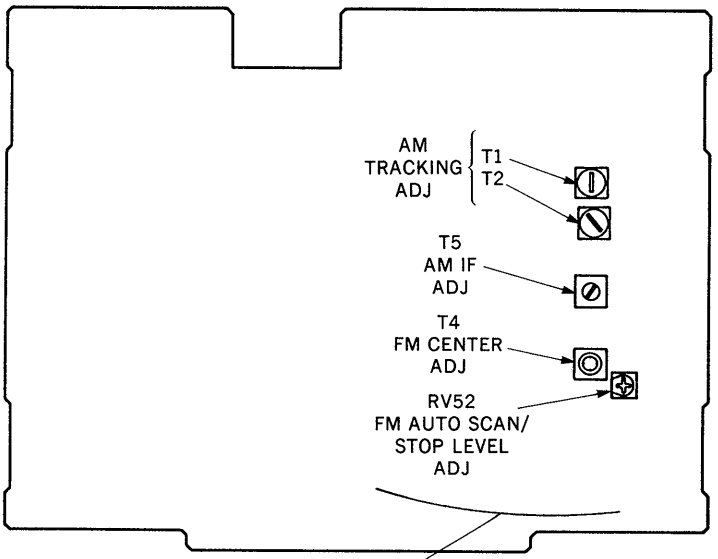


AM IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T5	450kHz

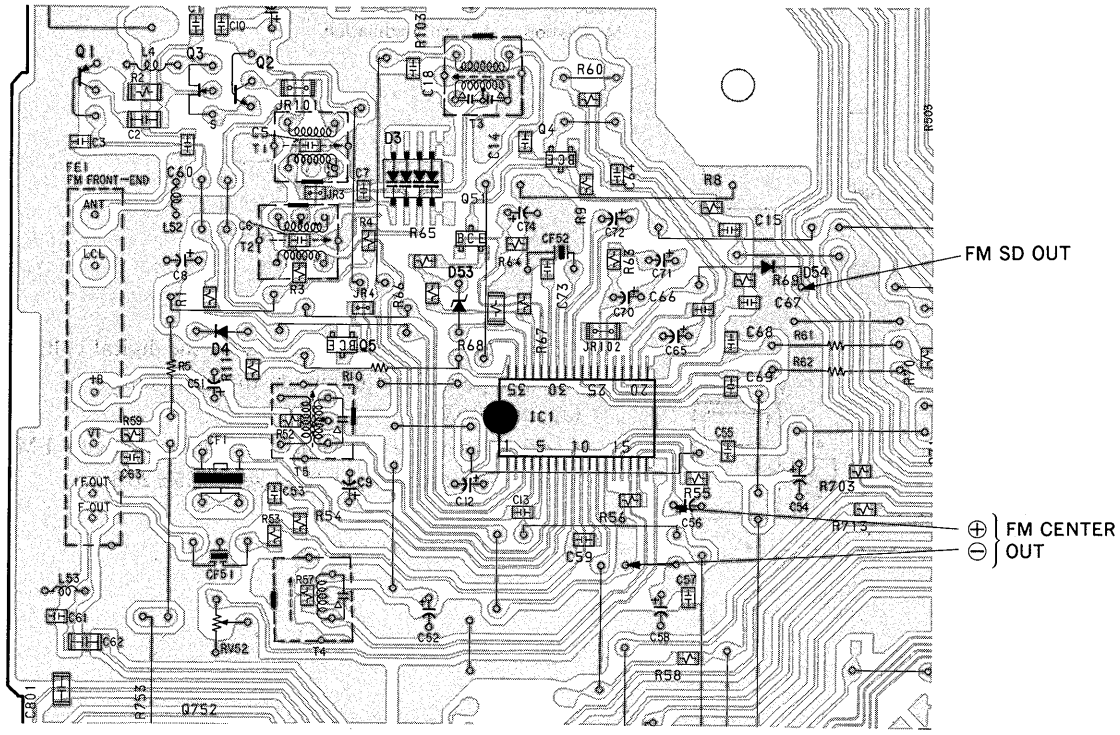
AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T1, T2	570kHz

Adjustment Location : main board

main board—component side—

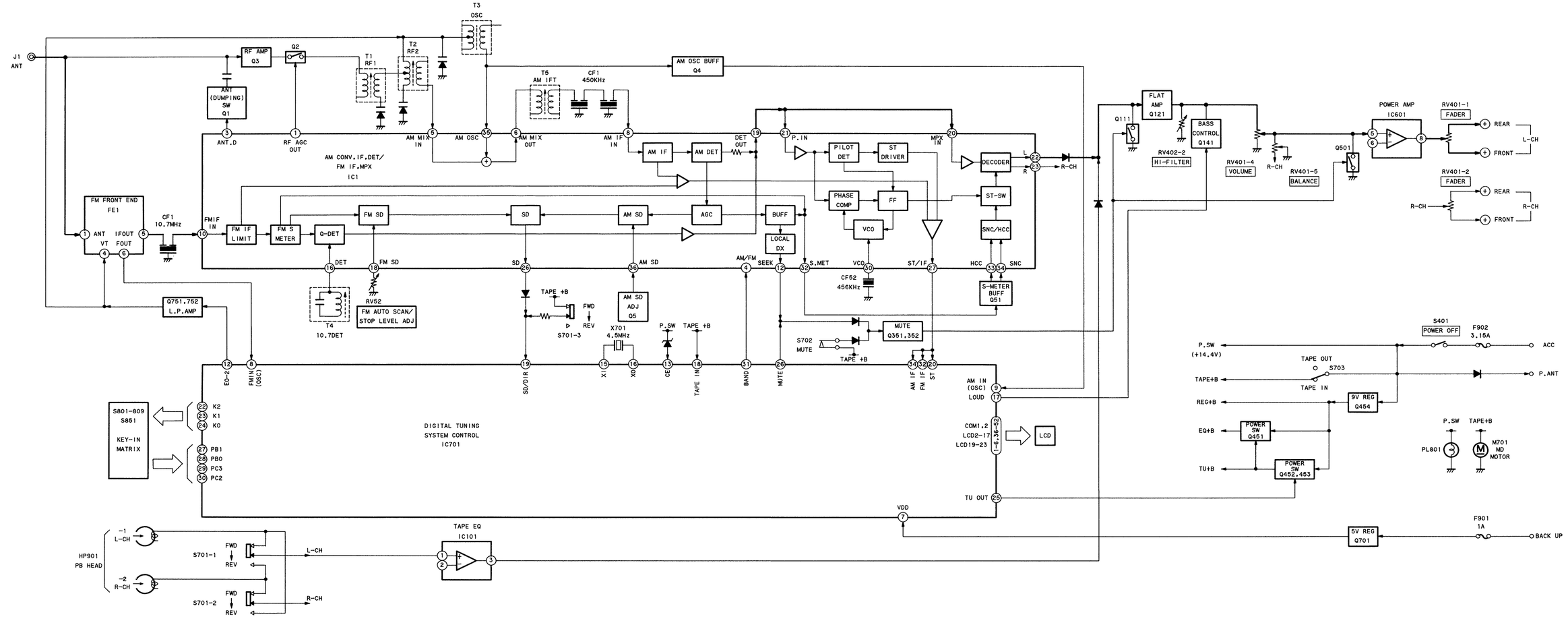


main board—conductor side—



SECTION 5
DIAGRAMS

5-1. BLOCK DIAGRAM



04

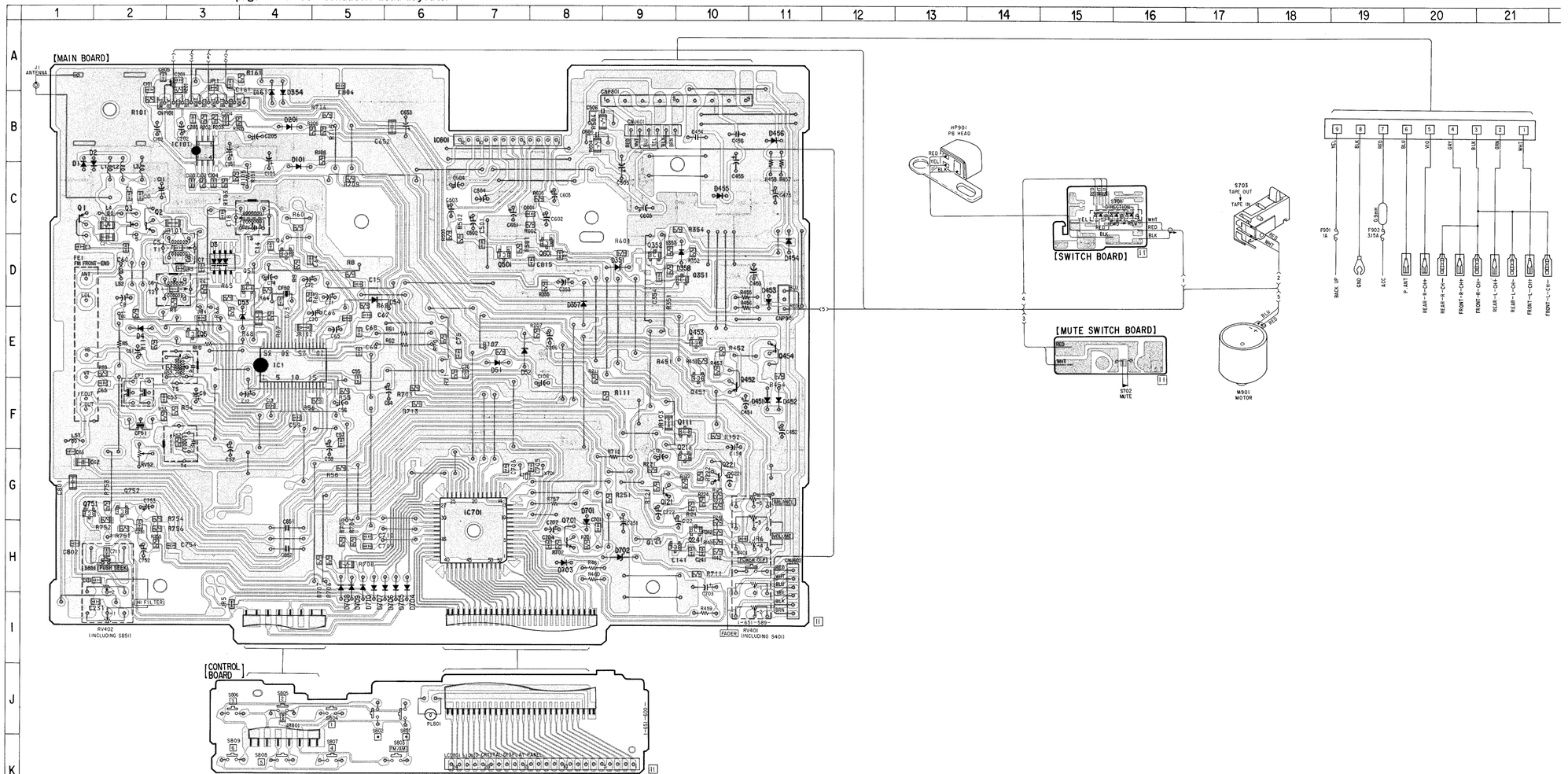
5-2. PRINTED WIRING BOARDS ● Refer to page 21 for Semiconductor Lead Layouts.

● **Semiconductor Location**

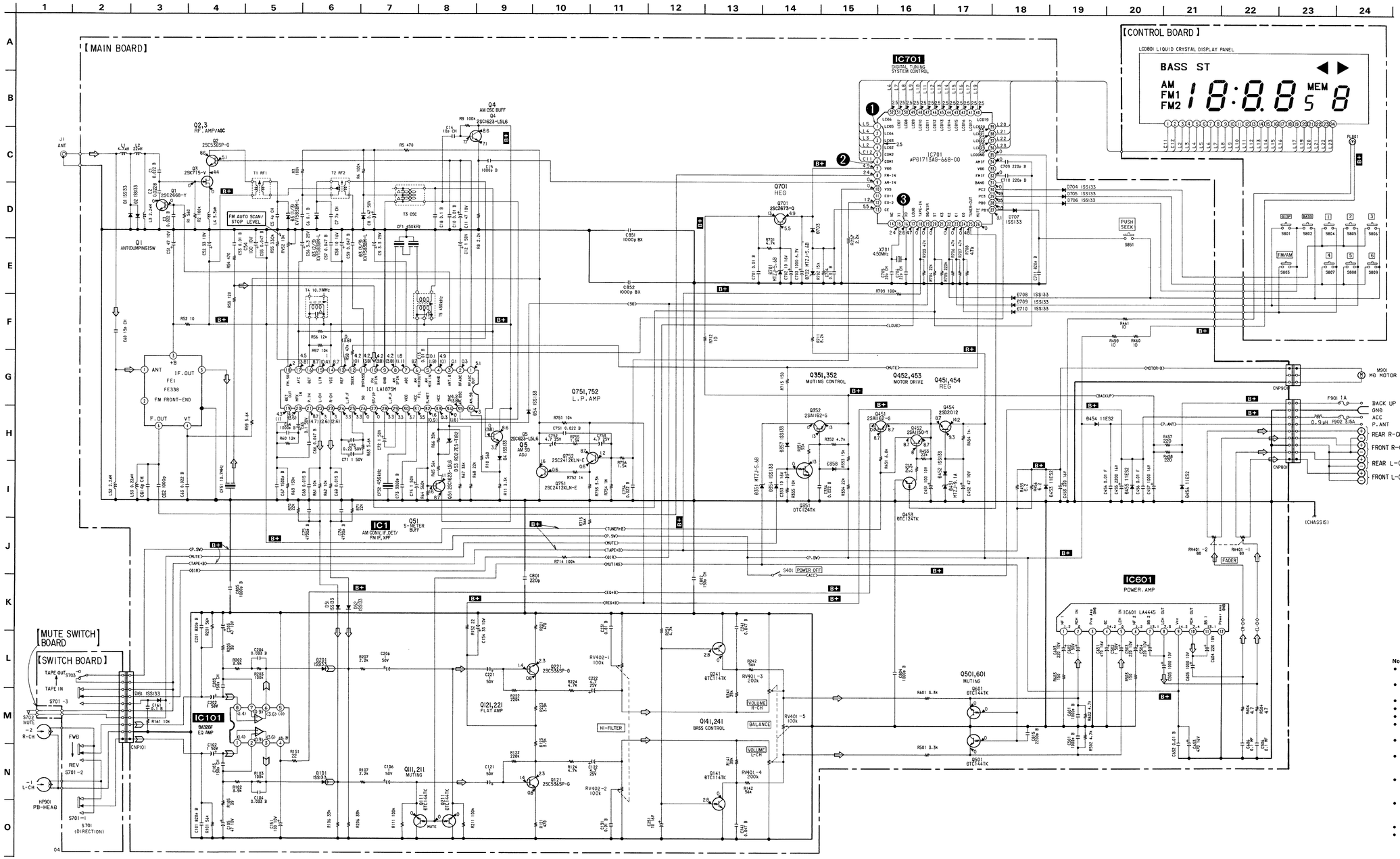
Ref. No.	Location	Ref. No.	Location
D1	C-1	D710	I-5
D2	C-1		
D3	D-3	IC1	E-4
D4	E-2	IC101	B-3
D51	E-7	IC601	B-7
D52	E-7	IC701	G-7
D53	E-4		
D54	D-5	Q1	C-1
D101	C-4	Q2	C-2
D161	A-4	Q3	C-2
D201	B-4	Q4	D-4
D351	D-9	Q5	E-3
D354	A-4	Q51	D-4
D357	D-8	Q111	F-10
D358	D-10	Q121	G-9
D451	F-11	Q141	H-9
D452	F-11	Q211	G-10
D453	D-11	Q221	G-10
D454	D-11	Q241	H-10
D455	C-10	Q351	D-10
D456	B-11	Q352	D-9
D701	H-8	Q451	E-10
D702	H-9	Q452	F-10
D703	H-8	Q453	E-10
D704	I-6	Q454	E-11
D705	I-6	Q501	D-7
D706	I-6	Q601	D-8
D707	I-5	Q701	H-8
D708	I-5	Q751	G-1
D709	I-5	Q752	G-2

Note :

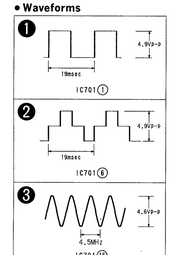
- ○— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ⊡ indicates side identified with part number.
- ▨ : Pattern on the side which is seen.



5-3. SCHEMATIC DIAGRAM • Refer to page 21 for IC Block Diagrams.



• Waveforms

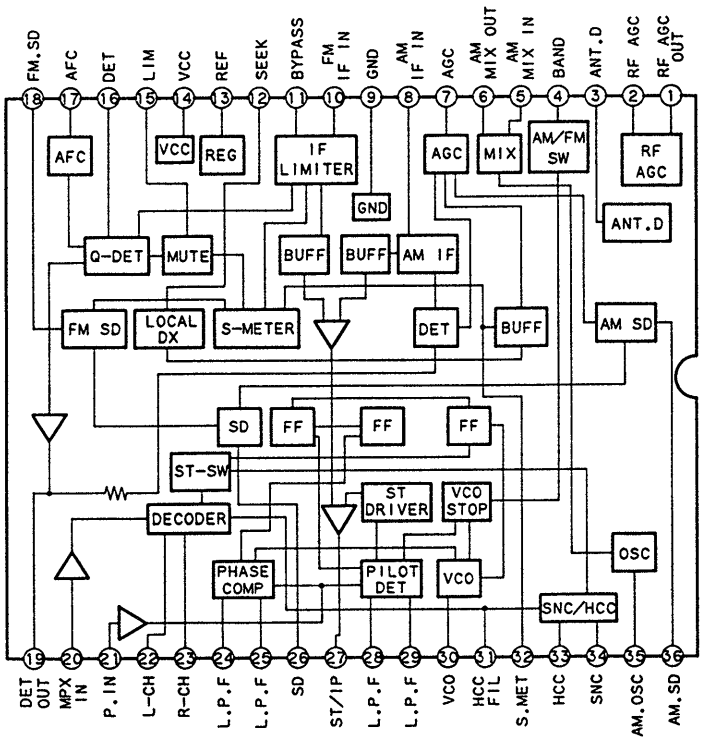


Note :

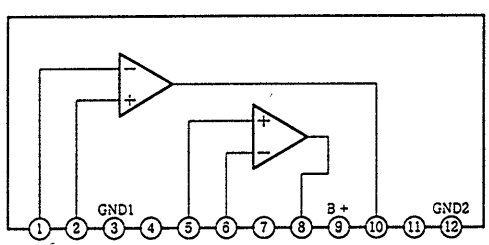
- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- B+ : B+ Line
- ▭ : adjustment for repair.
- Power voltage is dc 14.4V and fed with regulated dc power supply from BACK UP and ACC terminals.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark: FM
  ( ): AM
  < >: PB
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ⇨ : PB

• IC Block Diagrams

IC1 LA1875M

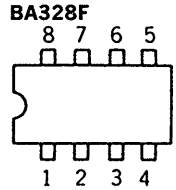


IC601 LA4445



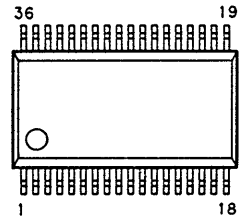
5-4. SEMICONDUCTOR LEAD LAYOUTS

BA328F

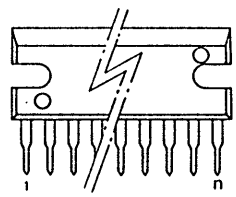


(Top view)

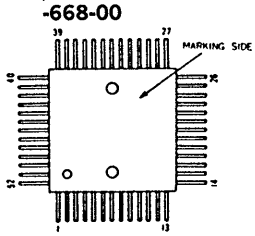
LA1875M-TE-L



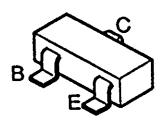
LA4445



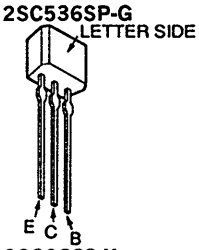
μPD1713AG
-668-00



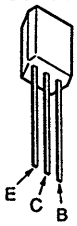
DTC114TK
DTC124TK
DTC144TK
2SA1162-G
2SC1623-L5L6
2SC2412KLN-T146E



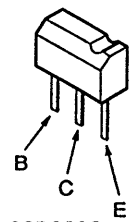
2SA1150-Y
2SC536SP-G



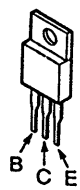
2SC2668-Y



2SC2673-Q

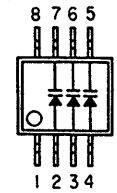


2SD2012



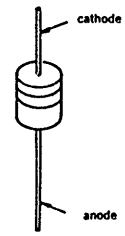
2SK715-V-AC

KV1583BMTL



(TOP VIEW)

MTZJ-T-77-9.1A
RD2.7ES-B2
RD5.6ES-B2
1SS133
11ES2

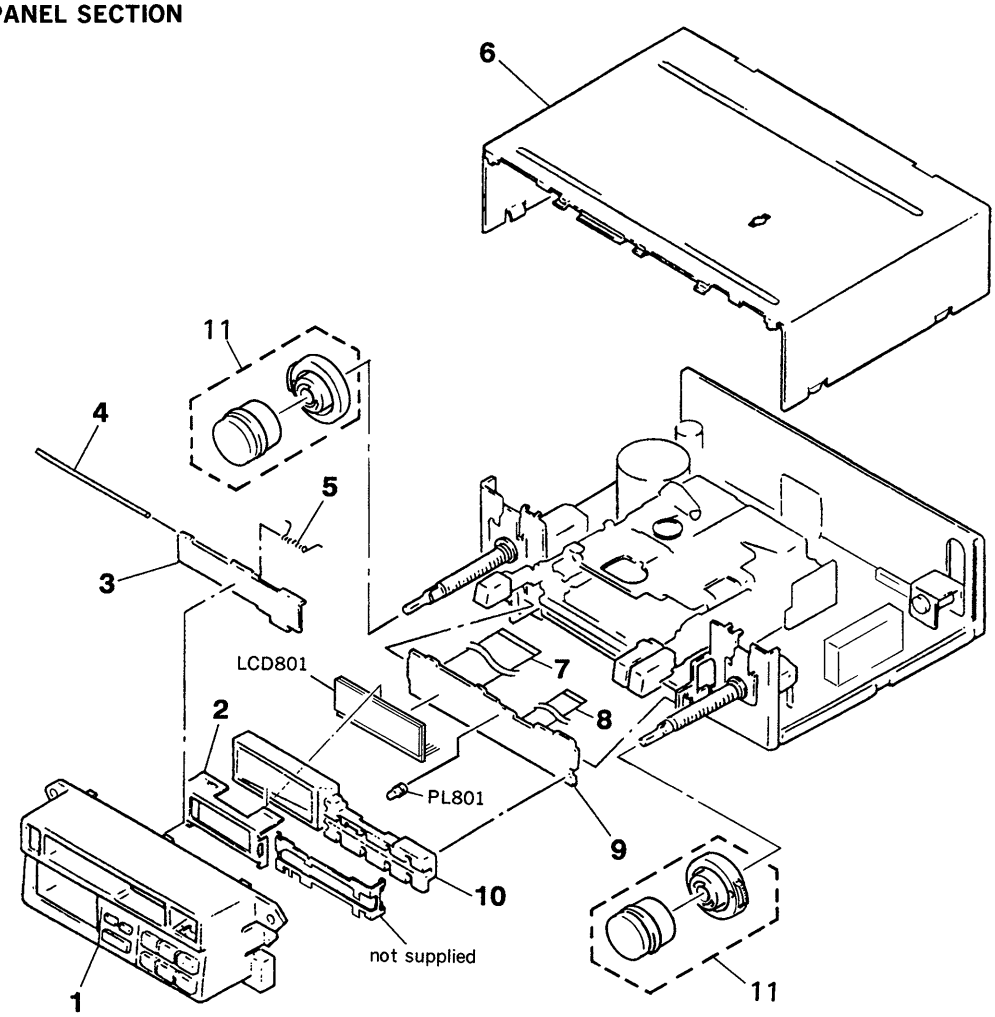


SECTION 6
EXPLODED VIEWS

NOTE:

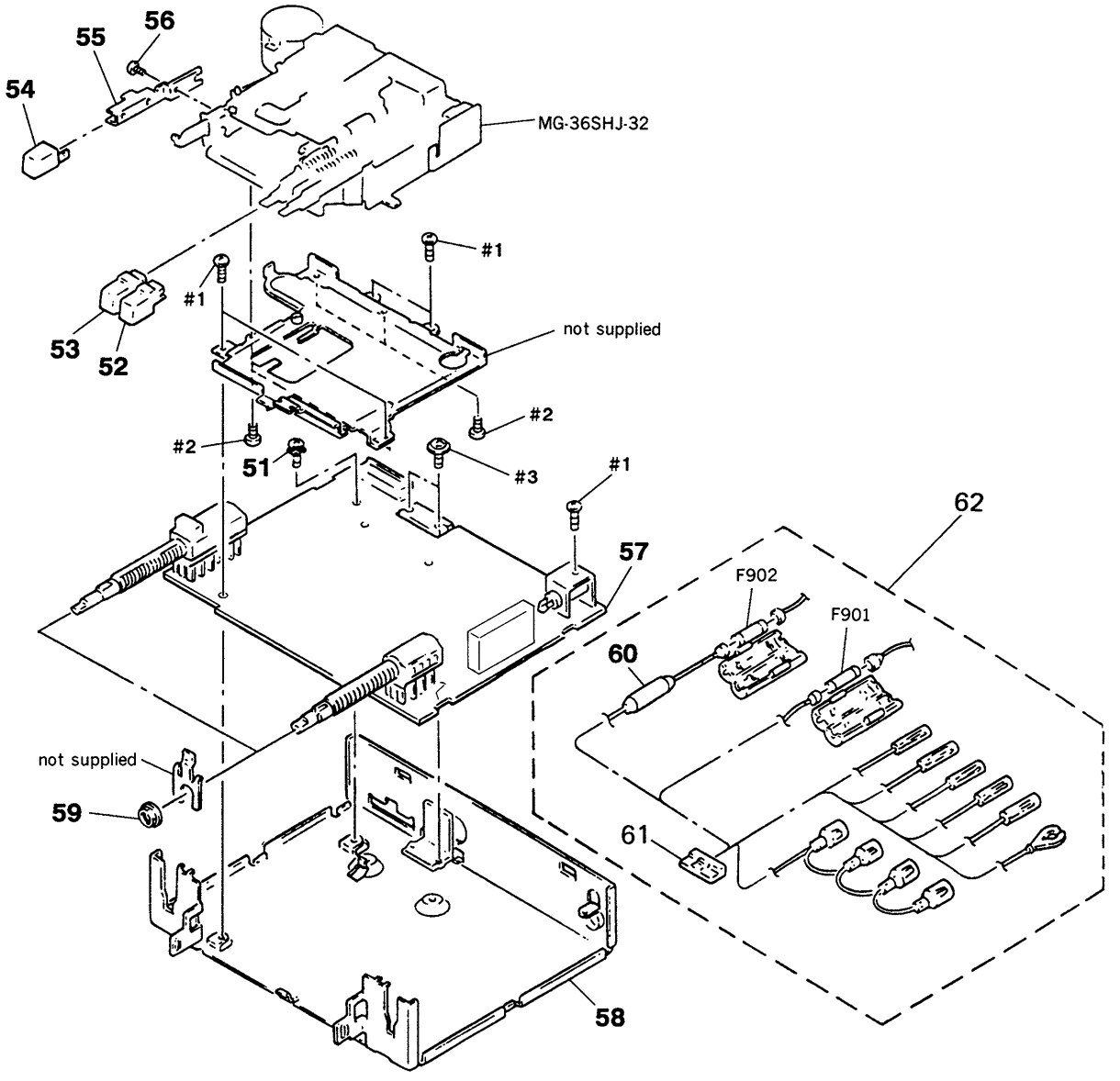
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

6-1. FRONT PANEL SECTION



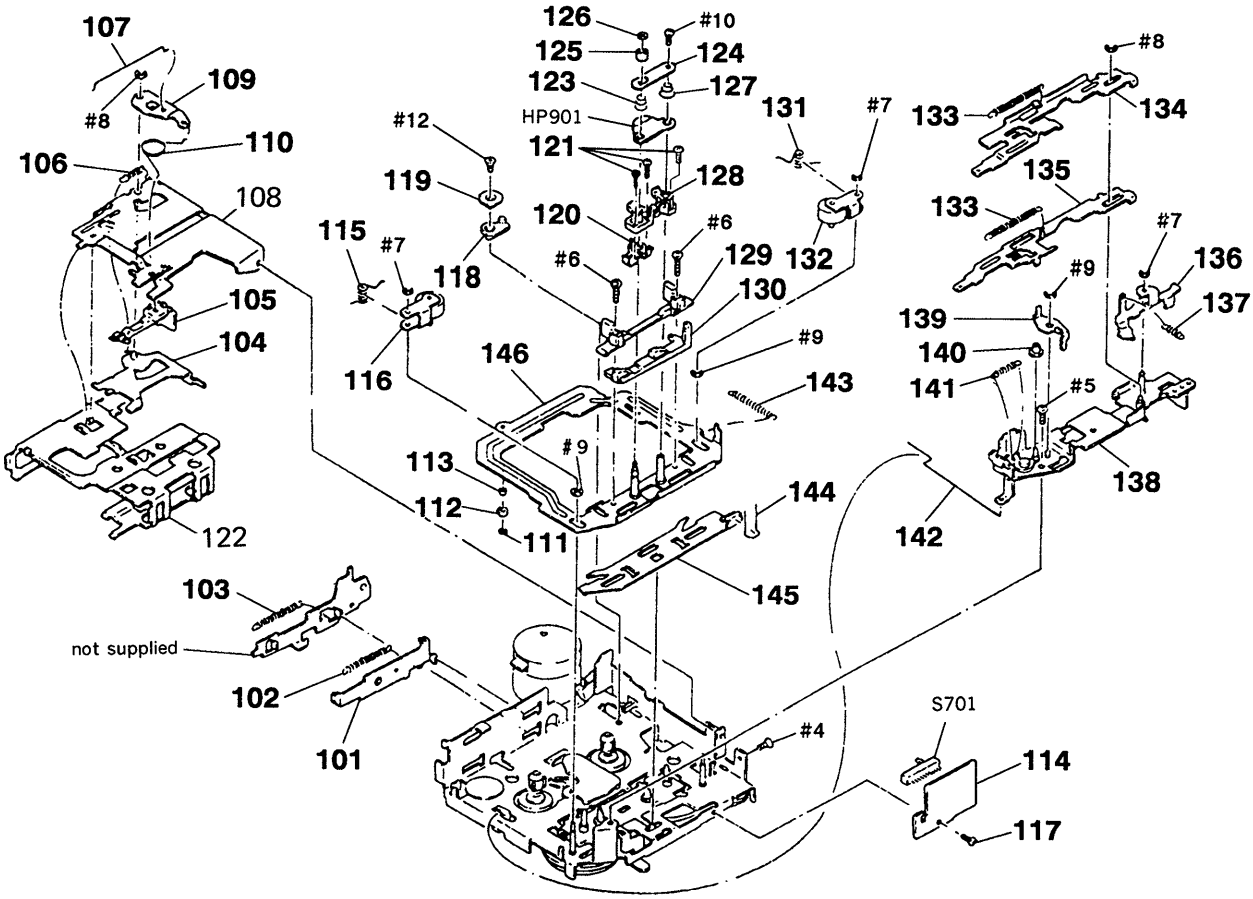
Ref. No.	Part No.	Description	Remark
1	X-3367-923-1	PANEL SUB ASSY, FRONT	
2	3-911-290-01	BRACKET (LCD)	
3	3-387-119-81	LID, CASSETTE	
4	3-332-130-01	SHAFT, C DOOR	
5	3-559-944-00	SPRING	
6	3-373-620-01	COVER	
7	1-751-021-11	CABLE, FLAT (28 CORE)	
8	1-765-143-11	WIRE (FLAT TYPE) (8 CORE)	
* 9	1-651-600-11	CONTROL BOARD	
* 10	3-909-885-01	PLATE, LIGHT GUIDE	
11	X-3363-799-1	KNOB (A) ASSY	
LCD801	1-810-460-11	DISPLAY PANEL, LIQUID CRYSTAL	
PL801	1-517-156-11	LAMP, PILOT	

6-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
51	3-344-501-01	SCREW (+PTT 3X6), GROUND POINT	
52	3-373-633-01	BUTTON (FF)	
53	3-373-632-01	BUTTON (REW)	
54	3-373-631-01	BUTTON (EJECT)	
55	3-392-429-01	LEVER (EJECT)	
56	3-372-033-11	SCREW (2.6X3), +P	
* 57	A-3295-955-A	MAIN BOARD, COMPLETE	
58	X-3363-800-1	CHASSIS ASSY	
59	3-575-039-00	NUT, CONTROL	
60	1-424-267-11	COIL, CHOKE 900uH	
* 61	1-562-800-21	HOUSING, CONNECTOR 9P	
62	1-690-329-11	CORD (WITH CONNECTOR)	
F901	1-532-360-XX	FUSE (1A)	
F902	1-532-419-00	FUSE (3.15A)	

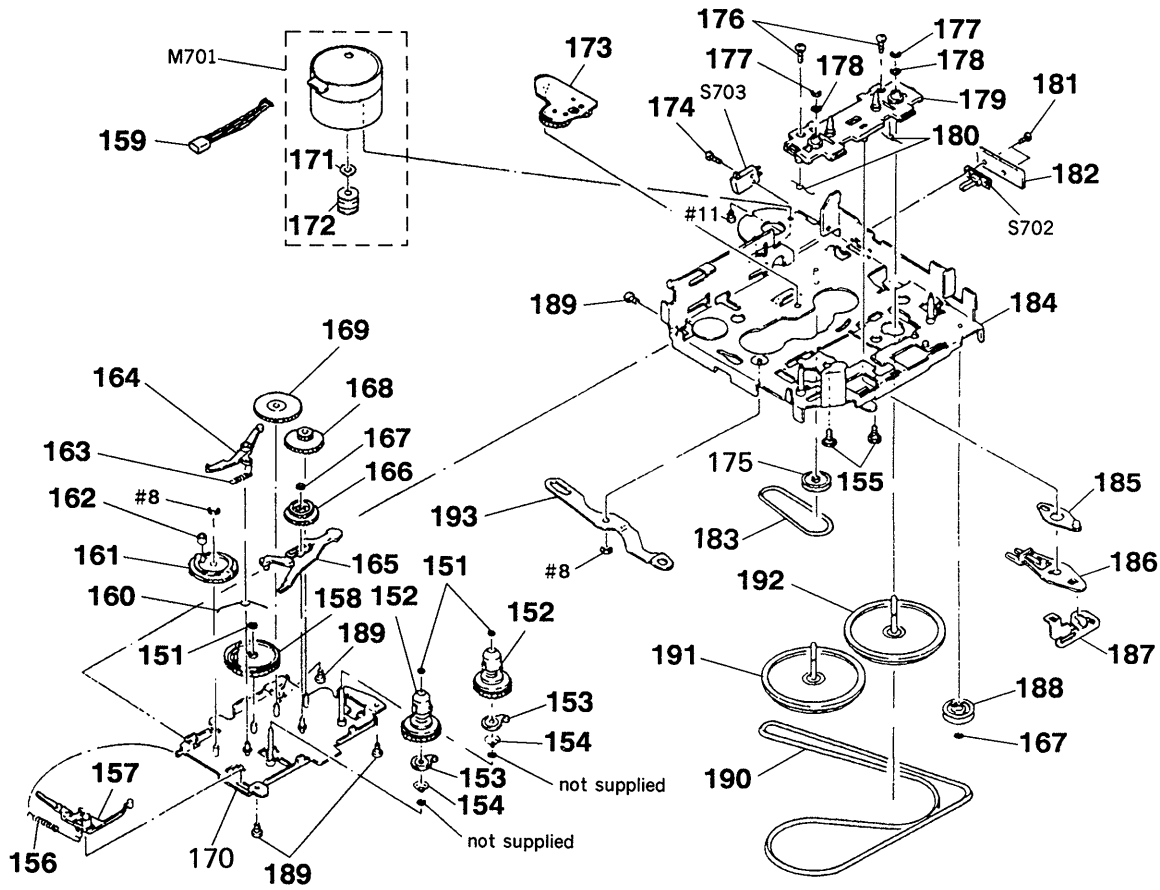
6-3. MECHANISM DECK SECTION 1 (MG-36SHJ-32)



Ref. No.	Part No.	Description	Remark
* 101	3-392-978-01	LEVER, EJECT	
102	3-392-950-01	SPRING	
103	3-392-951-01	SPRING	
* 104	3-392-921-01	LOCK ASSY, EJECT CAM	
105	3-392-972-01	HOOKER, TAPE	
106	3-392-953-01	SPRING	
107	3-392-969-01	LINK, RETURN	
108	3-375-383-01	HANGER (X), CASSETTE	
* 109	3-392-932-01	PLATE, CENTER	
110	3-392-961-01	SPRING (B)	
111	3-570-615-00	POLY-WASHER (DIA. 1.2)	
112	3-392-945-01	ROLLER (A), H.P	
113	3-392-942-01	ROLLER (B), H.P	
114	3-392-970-01	CHASSIS, SWITCH	
115	3-392-958-01	SPRING (R)	
116	3-375-378-01	ARM (R) ASSY, PINCH	
* 117	4-908-792-11	SCREW (B2X3), TAPPING, P1	
118	3-372-244-01	ARM (N), MUTE	
* 119	3-397-427-01	COLLAR, MUTE ARM	
120	3-377-908-01	SHIM (X), ADJUSTOR	
121	3-375-379-01	SCREW, AZIMUTH	
122	3-375-384-01	HOLDER (X), CASSETTE	
123	3-392-956-01	SPRING (A)	
* 124	3-392-930-01	RETAINER, SPRING	

Ref. No.	Part No.	Description	Remark
125	3-392-943-01	ROLLER, FF	
126	3-676-387-00	POLY-SLIDER (DIA. 1.6)	
127	3-392-955-01	SPRING (A)	
* 128	3-379-142-01	ARM (B), ADJUSTOR	
129	3-392-984-02	GUIDE, TAPE	
130	3-377-909-02	LINK (X), ADJUSTOR	
131	3-392-957-01	SPRING (F)	
132	3-375-377-01	ARM (F) ASSY, PINCH	
133	3-392-948-01	SPRING	
* 134	3-392-980-01	LEVER, FF	
* 135	3-392-981-01	LEVER, REW	
* 136	3-392-935-01	ARM, LOCK	
137	3-392-917-01	SPRING	
* 138	3-372-242-01	BRACKET ASSY (D), LEVER	
* 139	3-392-933-01	LEVER (B), CHANGE	
140	3-392-994-01	ROLLER, PROGRAM	
141	3-392-954-01	SPRING	
142	3-372-243-01	LINK (B), SELECTOR	
143	3-392-952-01	SPRING	
144	3-392-962-01	SPRING	
* 145	3-392-919-01	ARM ASSY, F, R SELECTION	
* 146	3-392-975-05	PLATE ASSY (S), HEAD	
HP901	1-543-717-11	HEAD, MAGNETIC (PLAYBACK)	
S701	1-692-502-11	SWITCH, SLIDE (DIRECTION)	

6-4. MECHANISM DECK SECTION 2 (MG-36SHJ-32)



Ref. No.	Part No.	Description	Remark
151	3-676-387-00	POLY-SLIDER (DIA. 1.6)	
152	3-376-196-01	SPINDLE ASSY (S), REEL	
153	3-375-380-01	CAM ASSY, DETECTION	
154	3-370-619-01	SPRING, BACK TENSION	
155	3-392-918-01	SCREW, EJECT HOOK	
156	3-392-959-01	SPRING	
157	3-392-985-02	RATCHET	
158	3-392-990-01	GEAR, DETECTION	
* 159	3-376-195-01	CONNECTOR ASSY (3P)	
160	3-392-960-01	SPRING	
161	3-392-987-01	GEAR, SELECTOR	
162	3-392-944-01	COLLAR (CELECTER GEAR)	
163	3-375-131-01	SPRING, GEAR LOCK ARM	
164	3-392-989-02	ARM, GEAR LOCK	
165	3-392-986-01	ARM, SENSOR	
166	3-392-915-01	GEAR, IDLE	
167	3-570-615-00	POLY-WASHER (DIA. 1.2)	
168	3-392-936-01	GEAR (A)	
169	3-392-937-01	GEAR (B)	
* 170	3-392-976-01	BASE ASSY, REEL	
* 171	3-392-912-01	WASHER, MYLAR	
* 172	3-392-913-01	PULLEY, MOTOR	
173	3-392-916-01	ARM ASSY, TU GEAR	

Ref. No.	Part No.	Description	Remark
174	3-318-203-11	SCREW (B1.7X6), TAPPING	
175	3-392-938-01	GEAR, PULLY	
176	3-318-204-81	SCREW (M1.7X3), TAPPING	
177	3-590-768-00	RING (A), E	
178	3-701-437-11	POLY-SLIDER (A)	
* 179	3-375-381-01	BRACKET ASSY (X), CM	
180	3-392-963-01	SPRING (R)	
181	3-318-204-91	SCREW (M1.7X4), TAPPING	
182	3-375-376-01	MUTE (PWB)	
183	3-375-375-02	BELT (C), SUB	
* 184	3-392-974-01	CHASSIS ASSY, MAIN	
* 185	3-392-925-01	ARM (A) ASSY, F.R	
* 186	3-392-939-01	ARM, FF	
* 187	3-392-934-01	ARM (B), F.R	
188	3-392-941-01	PULLEY (A), IDLE	
* 189	4-908-792-11	SCREW (B2X3), TAPPING, P1	
190	3-392-967-01	BELT, MAIN	
191	3-392-995-02	FLYWHEEL ASSY (BR)	
192	3-392-926-02	FLYWHEEL ASSY (BF)	
* 193	3-392-979-01	LEVER, REVERSE	
M701	X-3364-496-1	MOTOR ASSY	
S702	1-692-065-11	SWITCH, LEAF (MUTE)	
S703	1-554-790-21	SWITCH, POWER (TAPE IN/OUT)	

CONTROL **MAIN**

SECTION 7
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA . . : μA. . uPA. . : μPA. .
  uPB. . : μPB. . uPC. . : μPC. . uPD. . : μPD. .
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	1-651-600-11	CONTROL BOARD			
		**********			
*	3-909-885-01	PLATE, LIGHT GUIDE			
		< JUMPER RESISTOR >			
JR801	1-216-295-00	METAL CHIP	0	5% 1/10W	
		< LIQUID CRYSTAL DISPLAY >			
LCD801	1-810-460-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< PILOT LAMP >			
PL801	1-517-156-11	LAMP, PILOT			
		< SWITCH >			
S801	1-692-118-21	SWITCH, KEY BOARD (DISP)			
S802	1-692-118-21	SWITCH, KEY BOARD (BASS)			
S803	1-692-118-21	SWITCH, KEY BOARD (FM/AM)			
S804	1-692-118-21	SWITCH, KEY BOARD (1)			
S805	1-692-118-21	SWITCH, KEY BOARD (2)			
S806	1-692-118-21	SWITCH, KEY BOARD (3)			
S807	1-692-118-21	SWITCH, KEY BOARD (4)			
S808	1-692-118-21	SWITCH, KEY BOARD (5)			
S809	1-692-118-21	SWITCH, KEY BOARD (6)			
**********					
*	A-3295-955-A	MAIN BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C2	1-163-063-00	CERAMIC CHIP	0.022uF	10% 50V	
C3	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C5	1-163-087-00	CERAMIC CHIP	4PF	50V	
C6	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C7	1-163-224-11	CERAMIC CHIP	7PF	0.25PF 50V	
C8	1-124-465-00	ELECT	0.47uF	20% 50V	
C9	1-126-162-11	ELECT	3.3uF	20% 50V	
C10	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C11	1-124-126-00	ELECT	47uF	20% 10V	
C12	1-126-160-11	ELECT	1uF	20% 50V	
C13	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C14	1-163-227-11	CERAMIC CHIP	10PF	0.5PF 50V	
C15	1-163-009-11	CERAMIC CHIP	0.001uF	10% 50V	
C18	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C51	1-124-126-00	ELECT	47uF	20% 10V	
C52	1-124-229-00	ELECT	33uF	20% 10V	
C53	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C54	1-124-584-00	ELECT	100uF	20% 10V	
C55	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C56	1-126-162-11	ELECT	3.3uF	20% 50V	
C57	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C58	1-126-157-11	ELECT	10uF	20% 16V	
C59	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C60	1-163-097-00	CERAMIC CHIP	15PF	5% 50V	
C61	1-163-087-00	CERAMIC CHIP	4PF	0.25PF 50V	
C62	1-163-205-00	CERAMIC CHIP	0.001uF	5% 50V	
C63	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C64	1-163-009-11	CERAMIC CHIP	0.001uF	10% 50V	
C65	1-124-463-00	ELECT	0.1uF	20% 50V	
C66	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C67	1-163-011-11	CERAMIC CHIP	0.0015uF	10% 50V	
C68	1-163-023-00	CERAMIC CHIP	0.015uF	5% 50V	
C69	1-163-023-00	CERAMIC CHIP	0.015uF	5% 50V	
C70	1-124-464-11	ELECT	0.22uF	20% 50V	
C71	1-126-160-11	ELECT	1uF	20% 50V	
C72	1-126-160-11	ELECT	1uF	20% 50V	
C73	1-164-182-11	CERAMIC CHIP	0.0033uF	10% 50V	
C74	1-126-160-11	ELECT	1uF	20% 50V	
C75	1-163-017-00	CERAMIC CHIP	0.0047uF	5% 50V	
C76	1-163-017-00	CERAMIC CHIP	0.0047uF	5% 50V	
C101	1-163-139-00	CERAMIC CHIP	820PF	5% 50V	
C102	1-126-160-11	ELECT	1uF	20% 50V	
C103	1-163-121-00	CERAMIC CHIP	150PF	5% 50V	
C104	1-163-989-11	CERAMIC CHIP	0.033uF	10% 25V	
C105	1-124-126-00	ELECT	47uF	20% 10V	
C106	1-126-160-11	ELECT	1uF	20% 50V	
C121	1-126-160-11	ELECT	1uF	20% 50V	
C122	1-126-163-11	ELECT	4.7uF	20% 50V	
C131	1-164-232-11	CERAMIC CHIP	0.01uF	50V	

Ref. No.	Part No.	Description			Remark
C141	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C151	1-124-443-00	ELECT	100uF	20%	10V
C154	1-124-229-00	ELECT	33uF	20%	10V
C161	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C201	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C202	1-126-160-11	ELECT	1uF	20%	50V
C203	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C204	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C205	1-124-126-00	ELECT	47uF	20%	10V
C206	1-126-160-11	ELECT	1uF	20%	50V
C221	1-126-160-11	ELECT	1uF	20%	50V
C222	1-126-163-11	ELECT	4.7uF	20%	50V
C231	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C241	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C251	1-126-157-11	ELECT	10uF	20%	16V
C353	1-126-157-11	ELECT	10uF	20%	16V
C354	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C451	1-124-443-00	ELECT	100uF	20%	10V
C452	1-124-126-00	ELECT	47uF	20%	10V
C453	1-126-934-11	ELECT	220uF	20%	16V
C454	1-101-004-00	CERAMIC	0.01uF		50V
C455	1-124-556-11	ELECT	2200uF	20%	16V
C456	1-101-004-00	CERAMIC	0.01uF		50V
C457	1-124-360-00	ELECT	1000uF	20%	16V
C501	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C502	1-124-903-11	ELECT	1uF	20%	50V
C503	1-126-923-11	ELECT	220uF	20%	10V
C504	1-126-923-11	ELECT	220uF	20%	10V
C505	1-124-473-11	ELECT	1000uF	20%	10V
C506	1-136-165-00	FILM	0.1uF	5%	50V
C601	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C602	1-124-903-11	ELECT	1uF	20%	50V
C603	1-126-923-11	ELECT	220uF	20%	10V
C604	1-126-923-11	ELECT	220uF	20%	10V
C605	1-124-473-11	ELECT	1000uF	20%	10V
C606	1-136-165-00	FILM	0.1uF	5%	50V
C651	1-126-935-11	ELECT	470uF	20%	16V
C652	1-163-059-11	CERAMIC CHIP	0.01uF	10%	50V
C653	1-126-935-11	ELECT	470uF	20%	16V
C701	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C702	1-126-157-11	ELECT	10uF	20%	16V
C703	1-126-916-11	ELECT	1000uF	20%	6.3V
C704	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C705	1-163-234-11	CERAMIC CHIP	20PF	5%	50V
C706	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C709	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C710	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C711	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C751	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C752	1-126-163-11	ELECT	4.7uF	20%	50V
C753	1-126-163-11	ELECT	4.7uF	20%	50V
C754	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C801	1-163-189-00	CERAMIC CHIP	220PF	5%	50V
C802	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C804	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C805	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C815	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C851	1-162-294-31	CERAMIC	0.001uF	10%	50V
C852	1-162-294-31	CERAMIC	0.001uF	10%	50V
		< FILTER >			
CF1	1-527-937-00	FILTER, CERAMIC			
CF51	1-579-554-41	FILTER, CERAMIC			
CF52	1-760-250-11	OSCILLATOR, CERAMIC			
		< CONNECTOR >			
* CNP101	1-506-992-11	PIN, CONNECTOR (PC BOARD) 10P			
CNP801	1-580-611-31	PIN, CONNECTOR 9P			
* CNP901	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P			
		< DIODE >			
D1	8-719-901-33	DIODE	1SS133		
D2	8-719-901-33	DIODE	1SS133		
D3	8-719-033-70	DIODE	KV1583BMTL		
D4	8-719-901-33	DIODE	1SS133		
D51	8-719-901-33	DIODE	1SS133		
D52	8-719-901-33	DIODE	1SS133		
D53	8-719-109-60	DIODE	RD2.7ESB2		
D54	8-719-901-33	DIODE	1SS133		
D101	8-719-901-33	DIODE	1SS133		
D161	8-719-901-33	DIODE	1SS133		
D201	8-719-901-33	DIODE	1SS133		
D351	8-719-109-89	DIODE	RD5.6ESB2		
D354	8-719-901-33	DIODE	1SS133		
D357	8-719-901-33	DIODE	1SS133		
D358	8-719-901-33	DIODE	1SS133		
D451	8-719-923-60	DIODE	MTZJ-T-77-9.1A		
D452	8-719-901-33	DIODE	1SS133		
D453	8-719-200-82	DIODE	11ES2		
D454	8-719-200-82	DIODE	11ES2		
D455	8-719-200-82	DIODE	11ES2		
D456	8-719-200-82	DIODE	11ES2		
D701	8-719-109-89	DIODE	RD5.6ESB2		
D702	8-719-109-89	DIODE	RD5.6ESB2		
D703	8-719-901-33	DIODE	1SS133		
D704	8-719-901-33	DIODE	1SS133		
D705	8-719-901-33	DIODE	1SS133		
D706	8-719-901-33	DIODE	1SS133		

MAIN

Ref. No.	Part No.	Description			Remark
D707	8-719-901-33	DIODE 1SS133			
D708	8-719-901-33	DIODE 1SS133			
D709	8-719-901-33	DIODE 1SS133			
D710	8-719-901-33	DIODE 1SS133			
		< FRONT END >			
FE1	1-693-223-11	FRONT END, FM			
		< IC >			
IC1	8-759-265-93	IC LA1875M-TE-L			
IC101	8-759-046-31	IC BA328F			
IC601	8-759-804-75	IC LA4445			
IC701	8-759-258-01	IC uPD1713AG-668-00			
		< JACK >			
J1	1-573-995-11	JACK (ANT)			
		< JUMPER RESISTOR >			
JR1-6					
	1-216-295-00	METAL CHIP	0	5%	1/10W
JR101-103					
	1-216-296-00	METAL CHIP	0	5%	1/8W
		< COIL >			
L1	1-410-324-11	INDUCTOR	4.7uH		
L2	1-410-513-11	INDUCTOR	22uH		
L3	1-407-496-00	INDUCTOR	2.2mH		
L4	1-410-322-11	INDUCTOR	3.3uH		
L52	1-410-501-11	INDUCTOR	2.2uH		
L53	1-410-312-11	INDUCTOR	0.22uH		
		< TRANSISTOR >			
Q1	8-729-266-83	TRANSISTOR	2SC2668-Y		
Q2	8-729-853-64	TRANSISTOR	2SC536SP-G		
Q3	8-729-821-82	TRANSISTOR	2SK715-V-AC		
Q4	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q5	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q51	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q111	8-729-903-30	TRANSISTOR	DTC144TK		
Q121	8-729-853-64	TRANSISTOR	2SC536SP-G		
Q141	8-729-902-99	TRANSISTOR	DTC114TK		
Q211	8-729-903-30	TRANSISTOR	DTC144TK		
Q221	8-729-853-64	TRANSISTOR	2SC536SP-G		
Q241	8-729-902-99	TRANSISTOR	DTC114TK		
Q351	8-729-901-00	TRANSISTOR	DTC124EK		
Q352	8-729-216-22	TRANSISTOR	2SA1162-G		
Q451	8-729-216-22	TRANSISTOR	2SA1162-G		
Q452	8-729-205-02	TRANSISTOR	2SA1150-Y		

Ref. No.	Part No.	Description			Remark
Q453	8-729-920-08	TRANSISTOR	DTC124TK		
Q454	8-729-209-15	TRANSISTOR	2SD2012		
Q501	8-729-903-30	TRANSISTOR	DTC144TK		
Q601	8-729-903-30	TRANSISTOR	DTC144TK		
Q701	8-729-967-32	TRANSISTOR	2SC2673-Q		
Q751	8-729-016-79	TRANSISTOR	2SC2412KLN-T146-E		
Q752	8-729-016-79	TRANSISTOR	2SC2412KLN-T146-E		
		< RESISTOR >			
R1	1-216-043-00	METAL CHIP	560	5%	1/10W
R2	1-216-246-91	METAL GLAZE	100K	5%	1/8W
R3	1-216-097-00	METAL CHIP	100K	5%	1/10W
R4	1-216-097-00	METAL CHIP	100K	5%	1/10W
R5	1-249-413-11	CARBON	470	5%	1/4W
R8	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R9	1-216-097-00	METAL CHIP	100K	5%	1/10W
R10	1-249-414-11	CARBON	560	5%	1/4W
R11	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R52	1-216-001-00	METAL CHIP	10	5%	1/10W
R53	1-216-027-00	METAL CHIP	120	5%	1/10W
R54	1-216-041-00	METAL CHIP	470	5%	1/10W
R55	1-216-109-00	METAL CHIP	330K	5%	1/10W
R56	1-216-075-00	METAL CHIP	12K	5%	1/10W
R57	1-216-073-00	METAL CHIP	10K	5%	1/10W
R58	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R59	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R60	1-216-075-00	METAL CHIP	12K	5%	1/10W
R61	1-249-429-11	CARBON	10K	5%	1/4W
R62	1-249-429-11	CARBON	10K	5%	1/4W
R63	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R64	1-216-115-00	METAL CHIP	560K	5%	1/10W
R65	1-216-091-00	METAL CHIP	56K	5%	1/10W
R66	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R67	1-216-085-00	METAL CHIP	33K	5%	1/10W
R68	1-216-230-00	METAL GLAZE	22K	5%	1/8W
R69	1-216-101-00	METAL CHIP	150K	5%	1/10W
R70	1-216-081-00	METAL CHIP	22K	5%	1/10W
R71	1-216-081-00	METAL CHIP	22K	5%	1/10W
R101	1-216-091-00	METAL CHIP	56K	5%	1/10W
R102	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R103	1-216-097-00	METAL CHIP	100K	5%	1/10W
R105	1-216-015-00	METAL CHIP	39	5%	1/10W
R106	1-216-085-00	METAL CHIP	33K	5%	1/10W
R107	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R111	1-216-097-00	METAL CHIP	100K	5%	1/10W
R121	1-216-041-00	METAL CHIP	470	5%	1/10W
R122	1-216-105-00	METAL CHIP	220K	5%	1/10W
R123	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R124	1-216-065-00	METAL CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R141	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R142	1-216-091-00	METAL CHIP	56K	5%	1/10W
R151	1-249-397-11	CARBON	22	5%	1/4W
R152	1-216-009-00	METAL CHIP	22	5%	1/10W
R161	1-216-073-00	METAL CHIP	10K	5%	1/10W
R201	1-216-091-00	METAL CHIP	56K	5%	1/10W
R202	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R203	1-216-097-00	METAL CHIP	100K	5%	1/10W
R205	1-216-015-00	METAL CHIP	39	5%	1/10W
R206	1-216-085-00	METAL CHIP	33K	5%	1/10W
R207	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R211	1-216-097-00	METAL CHIP	100K	5%	1/10W
R221	1-216-041-00	METAL CHIP	470	5%	1/10W
R222	1-216-105-00	METAL CHIP	220K	5%	1/10W
R223	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R224	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R241	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R242	1-216-091-00	METAL CHIP	56K	5%	1/10W
R251	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R351	1-216-085-00	METAL CHIP	33K	5%	1/10W
R352	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R353	1-216-077-00	METAL CHIP	15K	5%	1/10W
R354	1-216-081-00	METAL CHIP	22K	5%	1/10W
R355	1-216-073-00	METAL CHIP	10K	5%	1/10W
R451	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R452	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R453	1-216-081-00	METAL CHIP	22K	5%	1/10W
R454	1-216-049-00	METAL CHIP	1K	5%	1/10W
R455	1-247-778-00	CARBON	6.2	5%	1/4W
R456	1-247-778-00	CARBON	6.2	5%	1/4W
R457	1-249-409-11	CARBON	220	5%	1/4W
R458	1-249-409-11	CARBON	220	5%	1/4W
R459-461					
	1-249-393-11	CARBON	10	5%	1/4W
R501	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R502	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R503	1-216-029-00	METAL CHIP	150	5%	1/10W
R504	1-216-142-00	METAL GLAZE	4.7	5%	1/8W
R601	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R602	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R603	1-216-029-00	METAL CHIP	150	5%	1/10W
R604	1-216-142-00	METAL GLAZE	4.7	5%	1/8W
R701	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R702	1-216-077-11	METAL CHIP	15K	5%	1/10W
R703	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R704	1-216-081-00	METAL CHIP	22K	5%	1/10W
R705	1-216-105-00	METAL CHIP	220K	5%	1/10W
R706	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R707	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R708	1-216-238-91	METAL GLAZE	47K	5%	1/8W
R709	1-216-097-00	METAL CHIP	100K	5%	1/10W
R711	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R712	1-249-393-11	CARBON	10	5%	1/4W
R713	1-216-029-00	METAL CHIP	150	5%	1/10W
R714	1-216-097-00	METAL CHIP	100K	5%	1/10W
R715	1-216-091-00	METAL CHIP	56K	5%	1/10W
R751	1-216-073-00	METAL CHIP	10K	5%	1/10W
R752	1-216-049-00	METAL CHIP	1K	5%	1/10W
R753	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R754	1-216-121-00	METAL CHIP	1M	5%	1/10W
R755	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R756	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R757	1-249-421-11	CARBON	2.2K	5%	1/4W

< VARIABLE RESISTOR >

RV52	1-238-600-11	RES, ADJ, CARBON 10K
RV401	1-223-602-11	RES, VAR, CERMET (INCLUDING S401) (VOLUME/FADER/BALANCE/POWER OFF)
RV402	1-223-603-11	RES, VAR, CARBON (INCLUDING S851) (HI-FILTER/PUSH SEEK)

< COIL >

T1	1-403-690-11	COIL (RF)
T2	1-406-601-11	COIL (RF)
T3	1-403-688-11	COIL (OSC)
T4	1-403-687-11	COIL, DISCRIMINATOR
T5	1-403-689-11	TRANSFORMER, IF

< VIBRATOR >

X701	1-567-713-11	VIBRATOR, CRYSTAL (4.5MHz)

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MISCELLANEOUS

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7	1-751-021-11	CABLE, FLAT (28 CORE)
8	1-765-143-11	WIRE (FLAT TYPE) (8 CORE)
60	1-424-267-11	COIL, CHOKE 900uH
* 61	1-562-800-21	HOUSING, CONNECTOR 9P
62	1-690-329-11	CORD (WITH CONNECTOR)
F901	1-532-360-XX	FUSE (1A)
F902	1-532-419-00	FUSE (3.15A)
HP901	1-543-717-11	HEAD, MAGNETIC (PLAYBACK)
M701	X-3364-496-1	MOTOR ASSY
S701	1-692-502-11	SWITCH, SLIDE (DIRECTION)
S702	1-692-065-11	SWITCH, LEAF (MUTE)
S703	1-554-790-21	SWITCH, POWER (TAPE IN/OUT)

****

Ref. No.	Part No.	Description	Remark

****
HARDWARE LIST
****

#1	7-621-770-67	SCREW +PTT 2.6X6 (S)	
#2	7-621-773-86	SCREW +PTT 2.6X4 (S)	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#4	7-621-555-10	SCREW +K 2X3	
#5	7-621-255-25	SCREW +PTT 2X4 (S)	
#6	7-627-553-88	SCREW, PRECISION +P 2X7	
#7	7-624-102-04	STOP RING 1.5, TYPE -E	
#8	7-624-104-04	STOP RING 2.0, TYPE -E	
#9	7-624-118-01	RING, RETAINING E-2.5	
#10	7-627-553-48	SCREW, PRECISION +P 2X4	
#11	7-621-255-15	SCREW +P 2X3	
#12	7-621-591-00	SCREW +K 2X4	

****

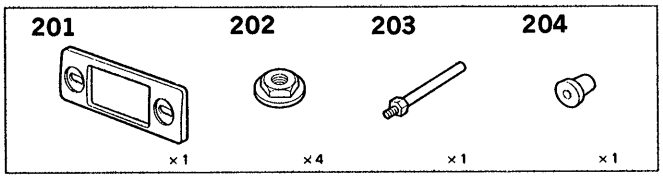
ACCESSORIES & PACKING MATERIALS
****

	3-373-625-01	KNOB (B)	
*	3-375-632-11	CUSHION (UPPER)	
*	3-375-633-11	CUSHION (LOWER)	
	3-758-233-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH)	
	3-758-234-21	MANUAL, INSTRUCTION (ENGLISH, FRENCH)	
*	3-911-424-01	INDIVIDUAL CARTON	

****

MOUNTING HARDWARE
****

201	3-383-094-71	PLATE, TRIM	
202	3-575-039-00	NUT, CONTROL	
203	3-386-828-01	SCREW, FITTING	
204	3-349-410-01	BUSHING	



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SONY®
SERVICE MANUAL

US Model
Canadian Model

SUPPLEMENT-1

File this supplement with the service manual.

Subject : Add the Green Illumination Model

(ENG-94011)

Difference of Part List

Page	Amber illumination model				Green illumination model		
	Ref. No.	Part No.	Description	Remark	Part No.	Description	Remark
22	PL801	1-517-156-11	LAMP, PILOT		1-517-156-51	LAMP, PILOT	
26	PL801	1-517-156-11	LAMP, PILOT		1-517-156-51	LAMP, PILOT	

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